



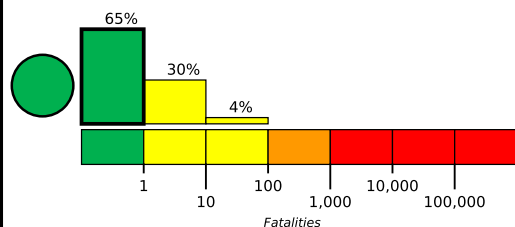
M 6.0, 5 km S of Marihatag, Philippines

Origin Time: 2020-11-15 22:37:43 UTC (Mon 06:37:43 local)

Location: 8.7598° N 126.2917° E Depth: 43.0 km

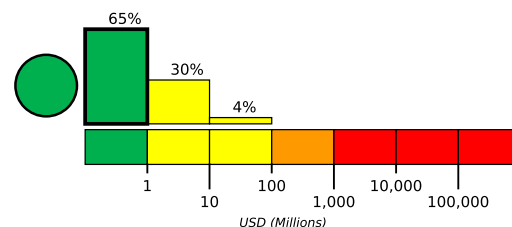
Created: 3 days, 4 hours after earthquake

Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

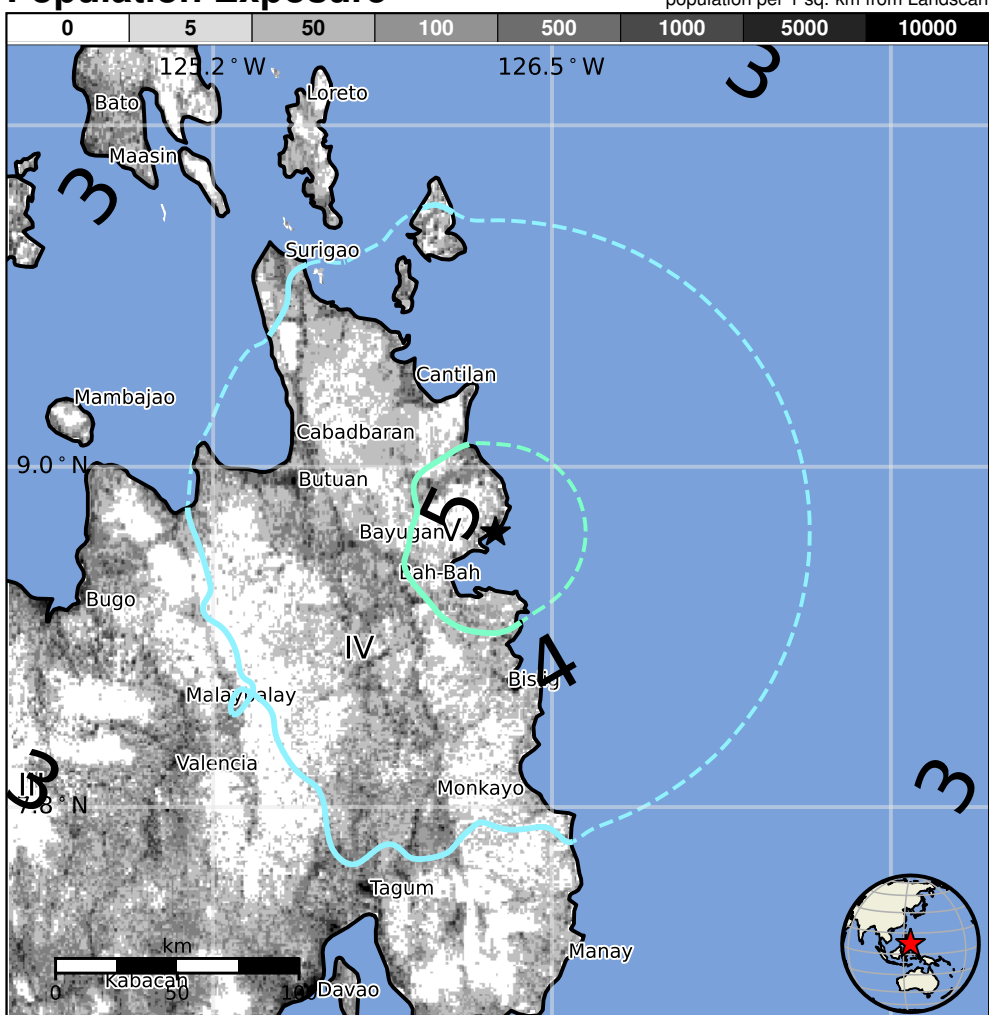


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	8,651k*	3,210k	294k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1999-12-15	342	4.8	VI(34k)	1
1987-05-23	121	5.7	VII(70k)	1
2002-03-05	381	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Salvacion	2k
V	Marihatag	4k
V	Aras-asan	5k
V	Cagwait	<1k
V	Bayabas	<1k
V	Bacolod	2k
IV	Butuan	310k
IV	Libertad	250k
III	Magugpo	233k
III	Cagayan de Oro	445k
III	Davao	1,213k

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000cfes#pager>

Event ID: us7000cfes